

# NOVA EXPERIMENT

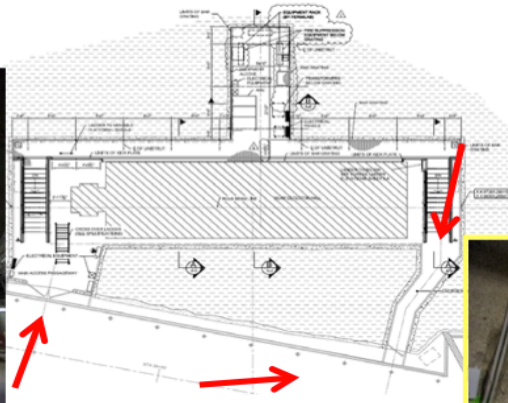
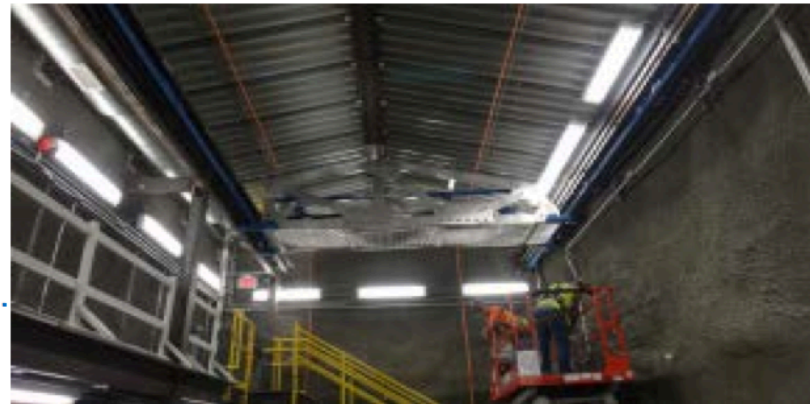
STATUS REPORT – AEM JUNE 3, 2013

# NEAR DETECTOR STATUS



## Near Detector Cavern status

- **Punch list walk through on May 8**
  - Identified MAP, Block wall at main entrance,
- **Beneficial occupancy signed off on May 10**
  - Siegrist beneficial occupancy milestone is 14 June
- **Movable Access Platform installed May 22**
- **New man door and structural steel for main opening expected complete by May 31.**
  - Waiting for steel members to attach to the rock at the yellow flags in the left picture below



# NEAR DETECTOR MODULES



## Near Detector Status

- 21 May: Expect one set of Muon catcher steel supports in hand by June 7
  - Prototype Near Detector muon catcher steel removed, being modified in Meson Assembly Building.
- 21 May: Expect one set of assembly table steel parts in hand by June 7
- 21 May: Now have 4 shipments of modules from Minneapolis
  - 192 modules total out of the 350 needed for the 1<sup>st</sup> half of the Near Detector



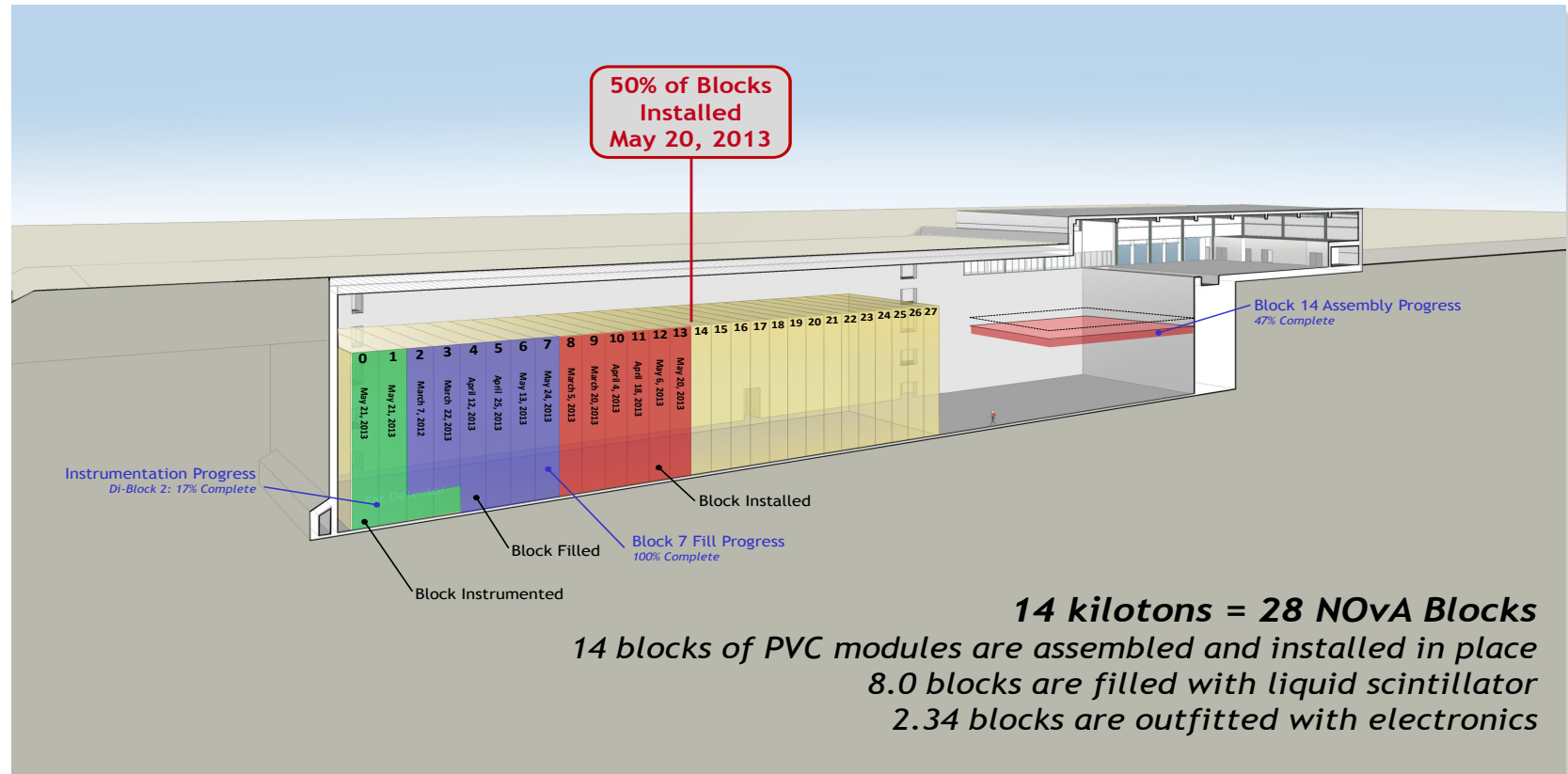
# FAR DETECTOR ASSEMBLY



The Intensity Frontier

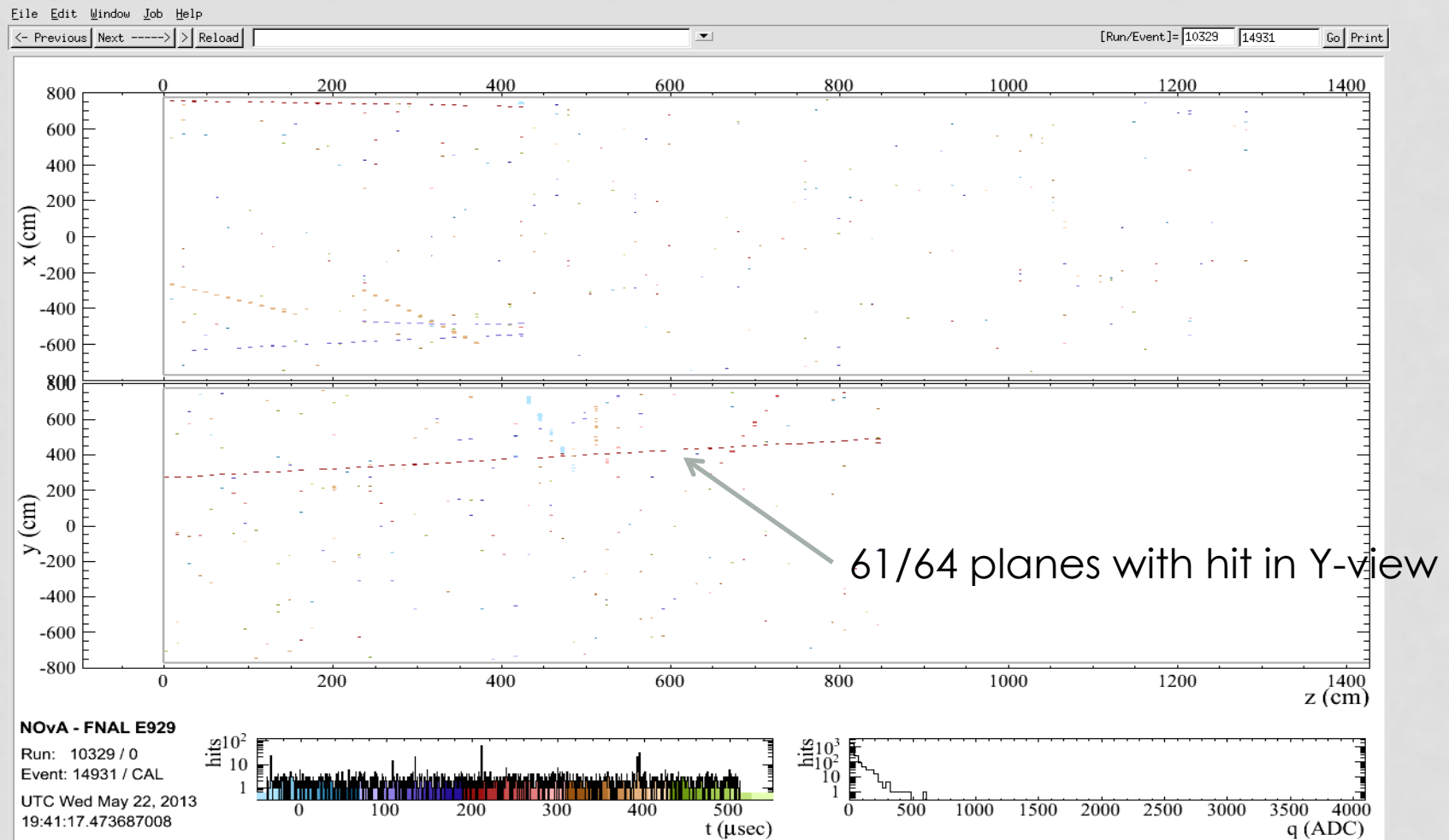
## NOvA Far Detector Assembly Progress

Status Date: 28MAY13



# FAR DETECTOR COMMISSIONING

First look at fully-instrumented diblock – May 22, 2013





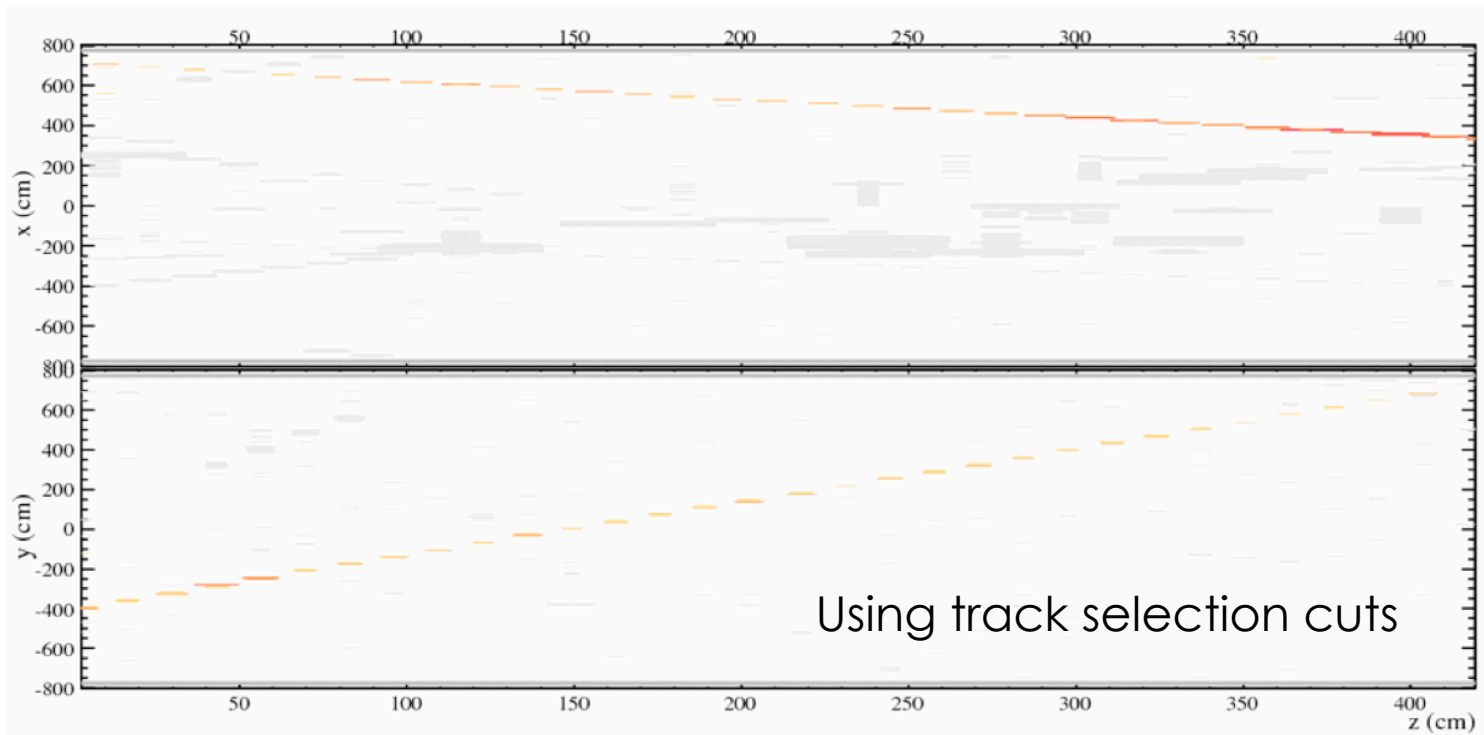
# FAR DETECTOR COMMISSIONING HIGHLIGHTS

- Recently completed full electronics installation/commissioning in first diblock (1/14<sup>th</sup> of the Far Det)
- DAQ partitioning for multiple detector element running tested successfully
  - NDOS
  - FD complete electronics with APDs
  - FD pattern data in Data Concentrator Modules
- Shifters have developed standard commissioning and operating procedures over past 3 months
- Prepared for 24-hour shift coverage with return of NUMI beam

# FAR DETECTOR DATA ANALYSIS



## Event Displays



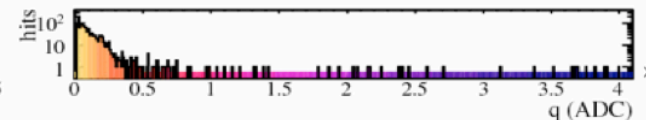
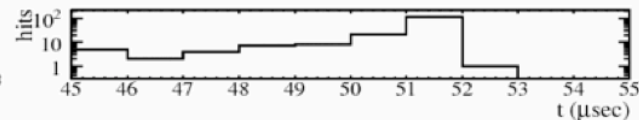
NOvA - FNAL E929

Run: 10327 / 0

Event: 20 / CAL

UTC Tue May 21, 2013

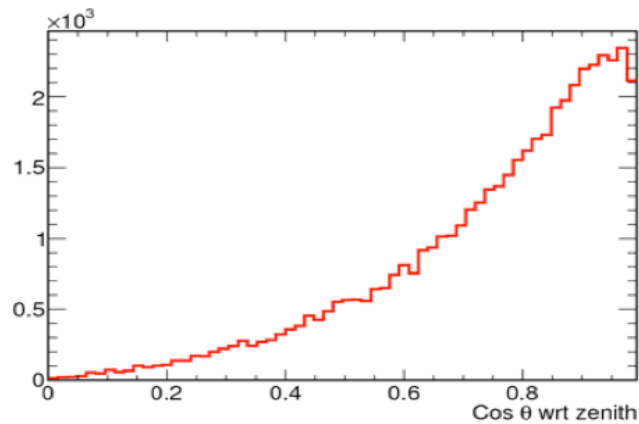
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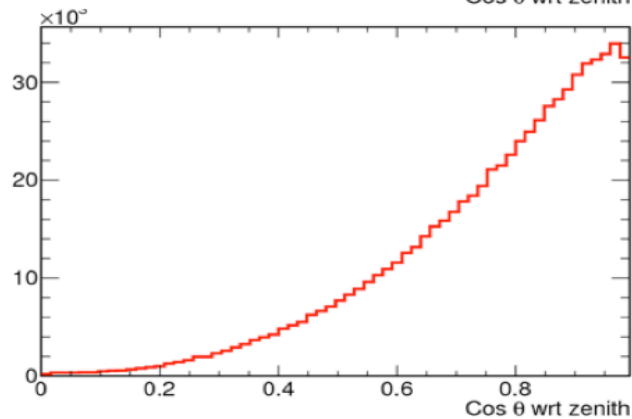
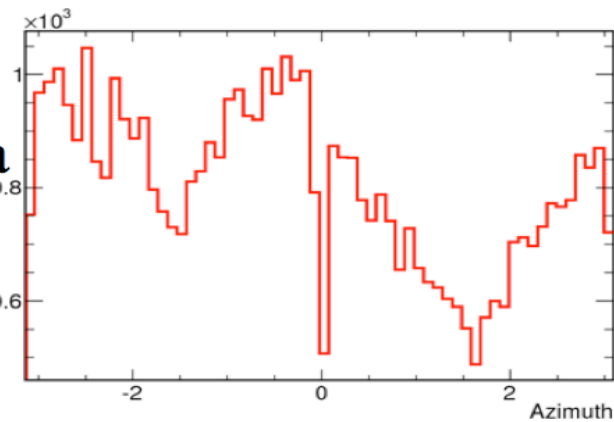
# FD DATA



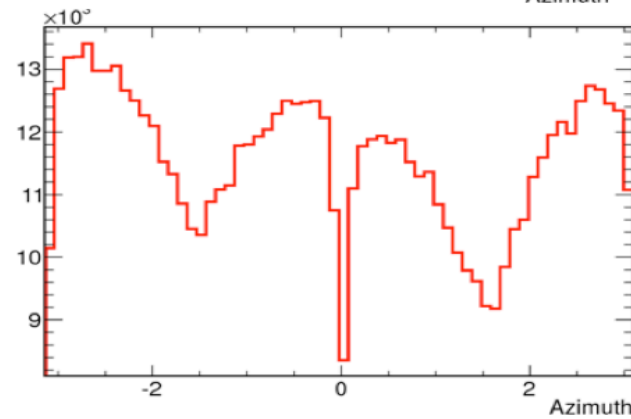
## Track Angular Distributions



Data



MC





# FAR DETECTOR PROGRESS



## NOvA Cumulative View as of 24 May:

